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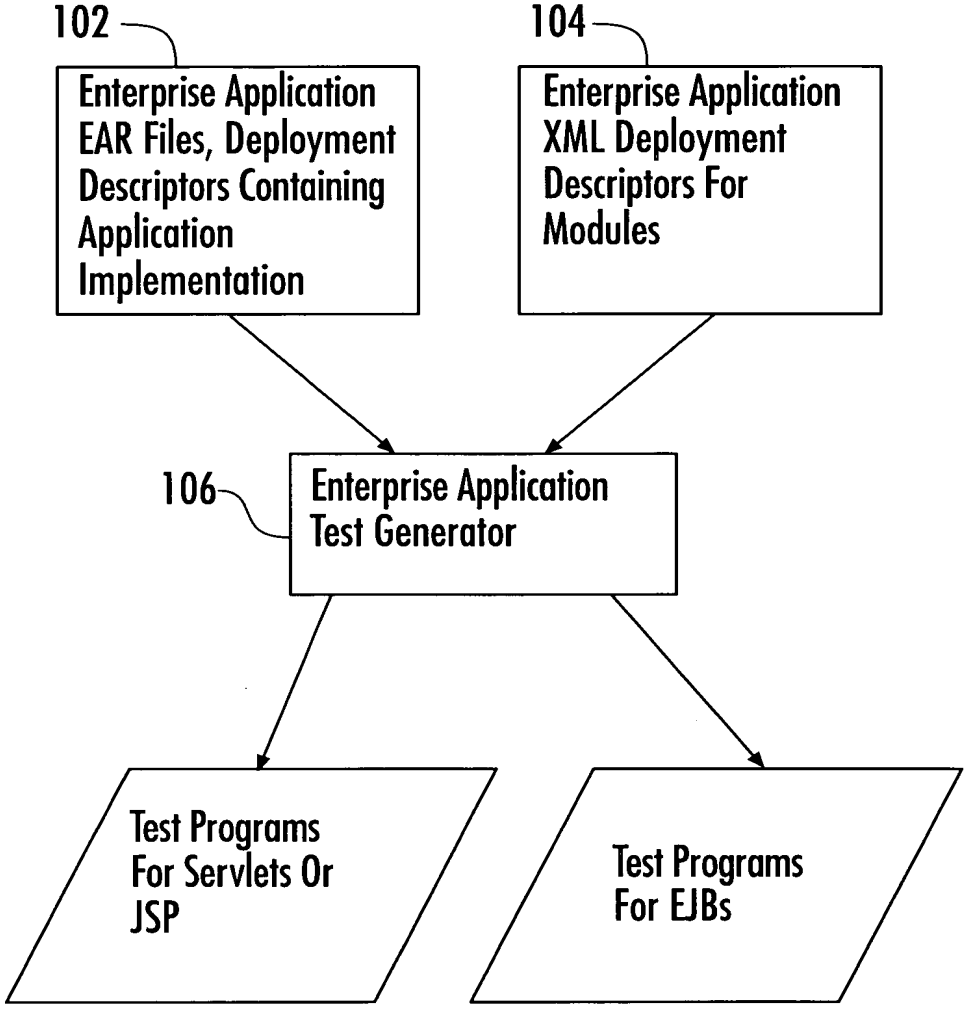

FIG. 1

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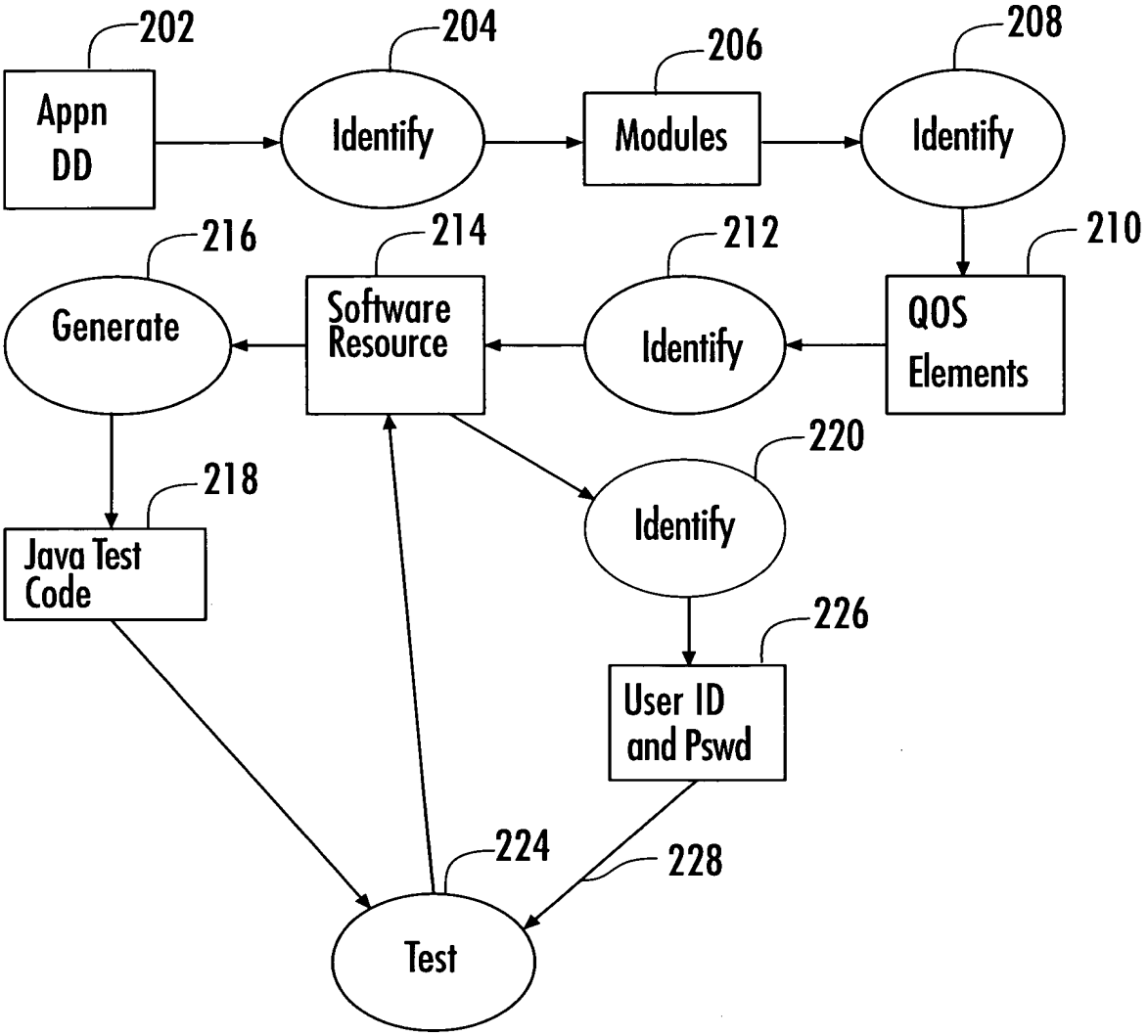

FIG. 2

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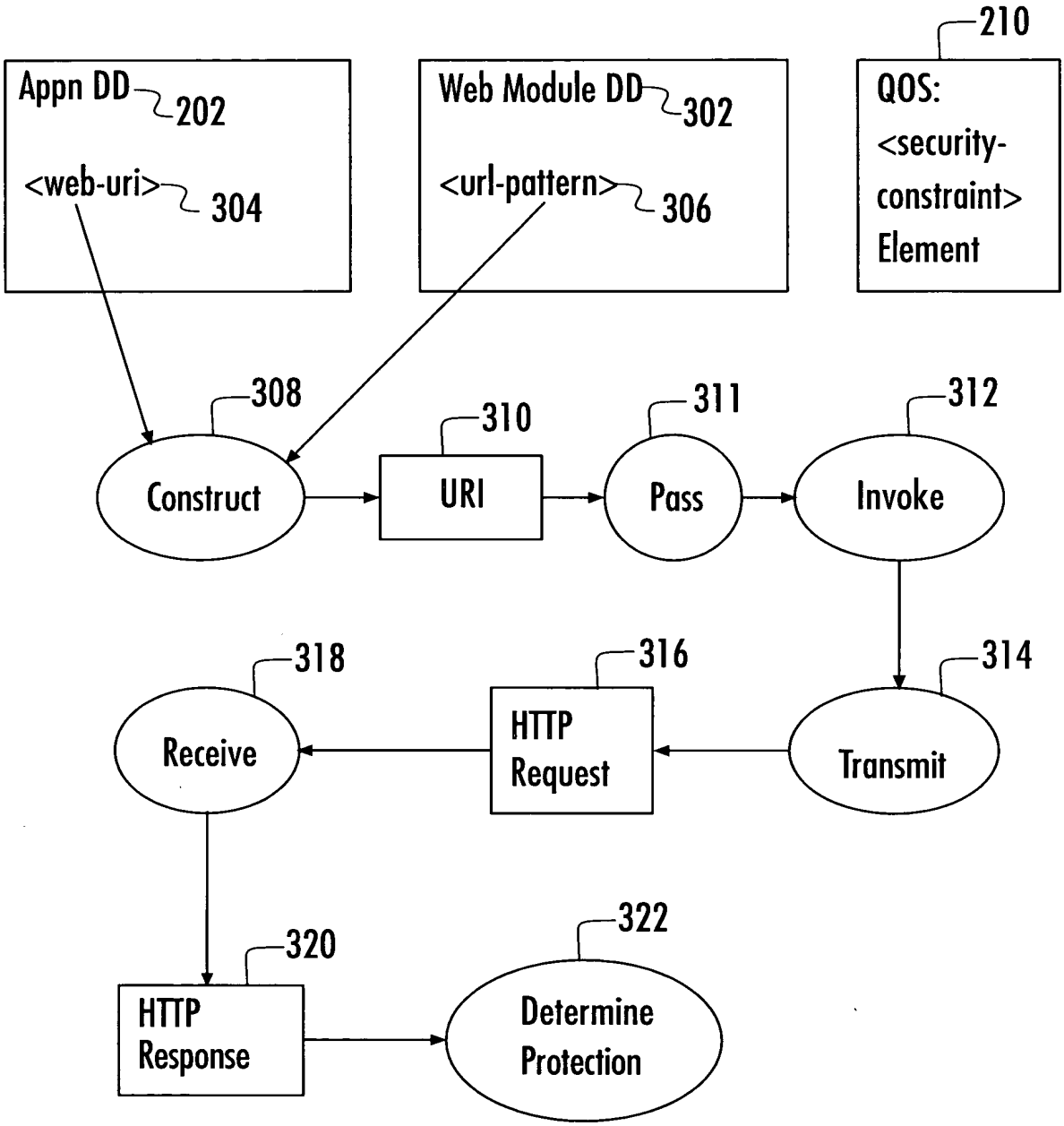

FIG. 3

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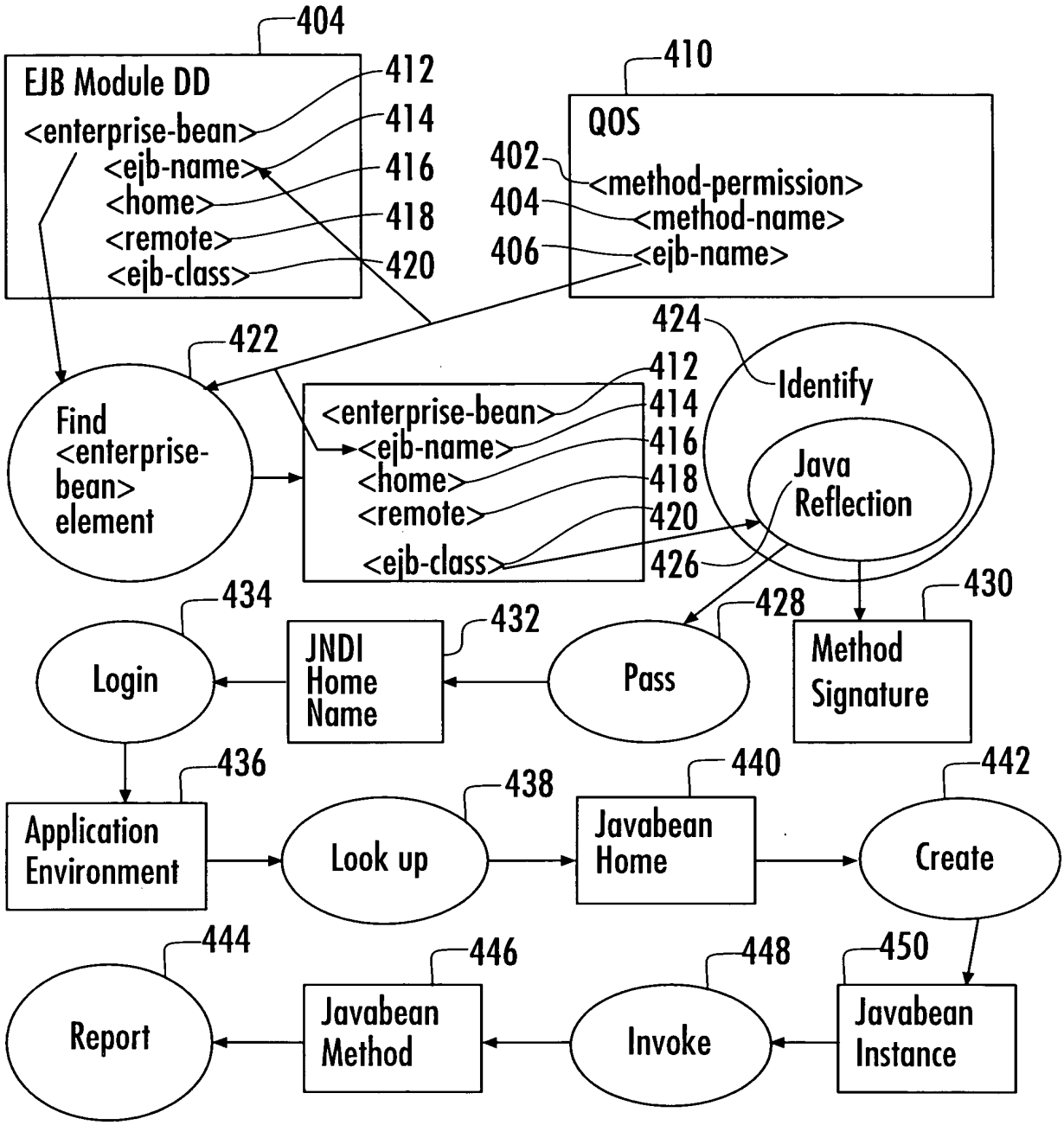

FIG. 4

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From application.xml

```
<module id="WebModule_1">
        <web>
                <web-uri>PBSecFVTServlet1.war</web-uri>
                <context-root>/secfvt/servlets/basicauth</context-root>
        </web>
</module>

<module id="EjbModule_4">
        <ejb>SecFVTS4EJB.jar</ejb>
        <alt-dd></alt-dd>
</module>

<security-role id="SecurityRole_1">
        <description>Manager in an enterprise</description>
        <role-name>Manager</role-name>
</security-role>
```

FIG. 5

From web.xml

```
<security-constraint id="SecurityConstraint_1">
        <web-resource-collection id="WebResourceCollection_1">
                <web-resource-name>Protected Area</web-resource-name>
                <url-pattern>/SecFVTServlet1/*</url-pattern>
                <http-method>DELETE</http-method>
                <http-method>GET</http-method>
                <http-method>POST</http-method>
                <http-method>PUT</http-method>
        </web-resource-collection>
        <auth-constraint id="AuthConstraint_1">
                <role-name>Manager</role-name>
                <role-name>Employee</role-name>
        </auth-constraint>
</security-constraint>
```

FIG. 6

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From an ejb-jar.xml:

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```
<method-permission id="MethodPermission_1">
        <description>Allow AllAuthenticated users to create
                SecFVTS1EJB</description>
        <role-name>AllAuthenticated</role-name>
        <method id="MethodElement_1">
                <ejb-name>SecFVTS1EJB</ejb-name>
                <method-intf>Home</method-intf>
                <method-name>create</method-name>
                <method-params>
                        <method-param>java.lang.String</method-param>
                </method-params>
        </method>
</method-permission>

<enterprise-beans>
        <session id="Session_1">
                <description>Security FVT Stateful Session Bean Test
                        #1</description>
                <display-name>SecFVTS1EJB</display-name>
                <small-icon></small-icon>
                <large-icon></large-icon>
                <ejb-name>SecFVTS1EJB</ejb-name>
                <home>com.ibm.ws.secfvt.jars.ejb.SecFVTS1Home</home>
                <remote>com.ibm.ws.secfvt.jars.ejb.SecFVTS1</remote>
                <ejb-class>com.ibm.ws.secfvt.jars.ejb.SecFVTS1EJB</ejb-class>
                <session-type>Stateful</session-type>
                <transaction-type>Bean</transaction-type>
                <security-role-ref id="SecurityRoleRef_1">
                        <description>Used for principal verification</description>
                        <role-name>Emp</role-name>
                        <role-link>Employee</role-link>
                </security-role-ref>
                <security-role-ref id="SecurityRoleRef_2">
                        <description>Used for principal verification</description>
                        <role-name>Mgr</role-name>
                        <role-link>Manager</role-link>
                </security-role-ref>
        </session>
</enterprise-beans>
```

FIG. 7